

FIGURE 1 – PRIOR ART

Date mailed  
Aug 14, 2000

Please bring entire bill if payment is made in person or return stub with your payment by mail.

08 2910 0318  
S

**Total Amount Due  
\$15.97  
Please Pay This  
Amount By 09/01/00**

The Gas Company  
P O Box

0811008L 0168.035462 1 AV 0 243  
MARLIN BARRERA

1257 W 41ST ST  
LOS ANGELES CA 90037-1705

|||||

Your Account Number  
076 405 8410 3

80 0764058410 00001597 37 0764058410 0000159737

102 101 103 101 104 101

FIGURE 2 – PRIOR ART

Electric Company WE

025104183313070169440494084148114

Account Number	Service To	Amount Due	Amount Enclosed
HTC 71 69444-4	08/09/00	\$148 11	

H:1.3.327 1 AC 0.238 \*\*C003

DIANE M LEWIS  
3701 LIZ DR  
BAKERSFIELD CA 93312-2308

Box  
Sacramento, CA  
95899-7300

08/10

Please return this portion with your payment Thank you

0x 251

FIGURE 3 – PRIOR ART

Return This Section With Your Payment

22032107017 4500518

\*\*\*\*\* AUTOOCR \*\*C037

|||||

JAMES BARBERA  
191 ERIAL RD  
PINE HILL, NJ 08021-4427

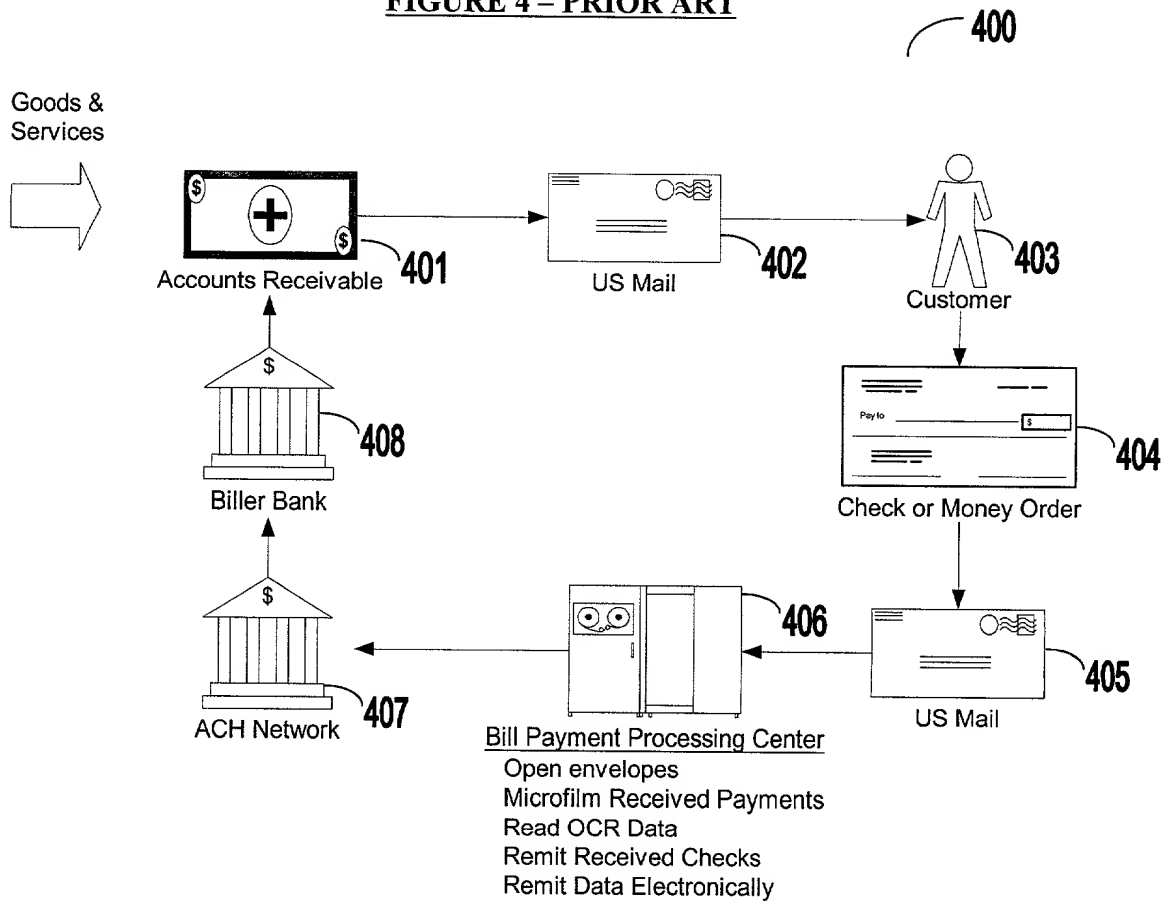
PO Box  
Folsom, NJ 08037-6000

☐ YES! I want pipe protection at \$1.50 per month

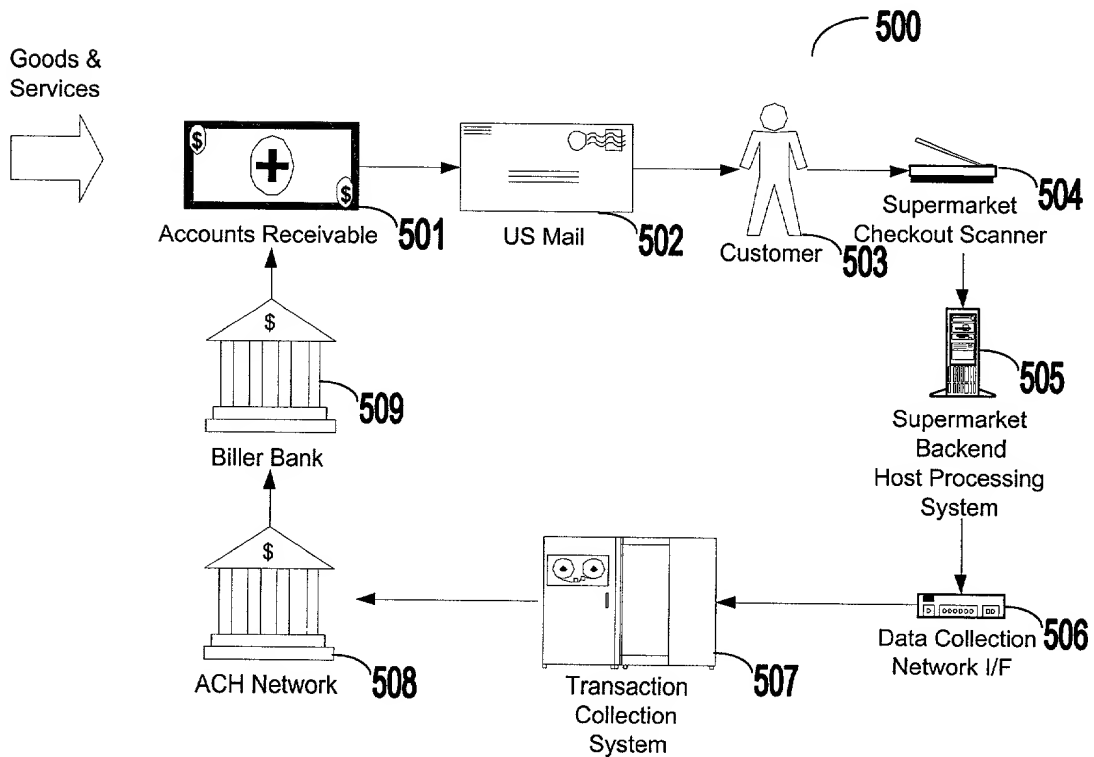
☐ Check for name address, phone corrections

Past Due After Aug 12 2000 Please Pay \$45.00

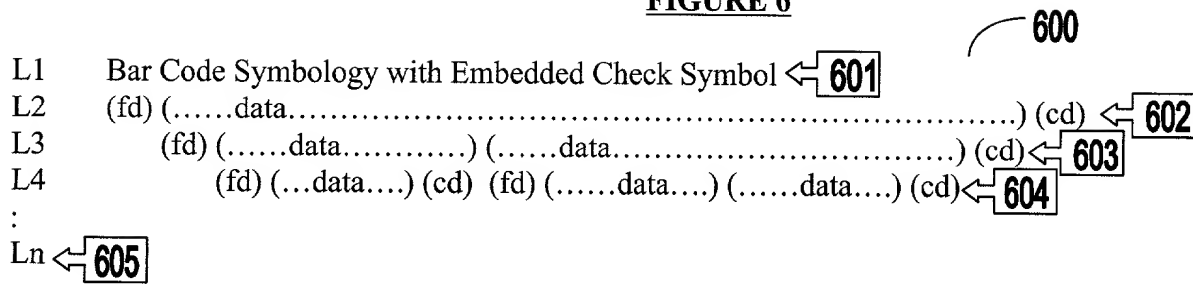
**FIGURE 4 – PRIOR ART**



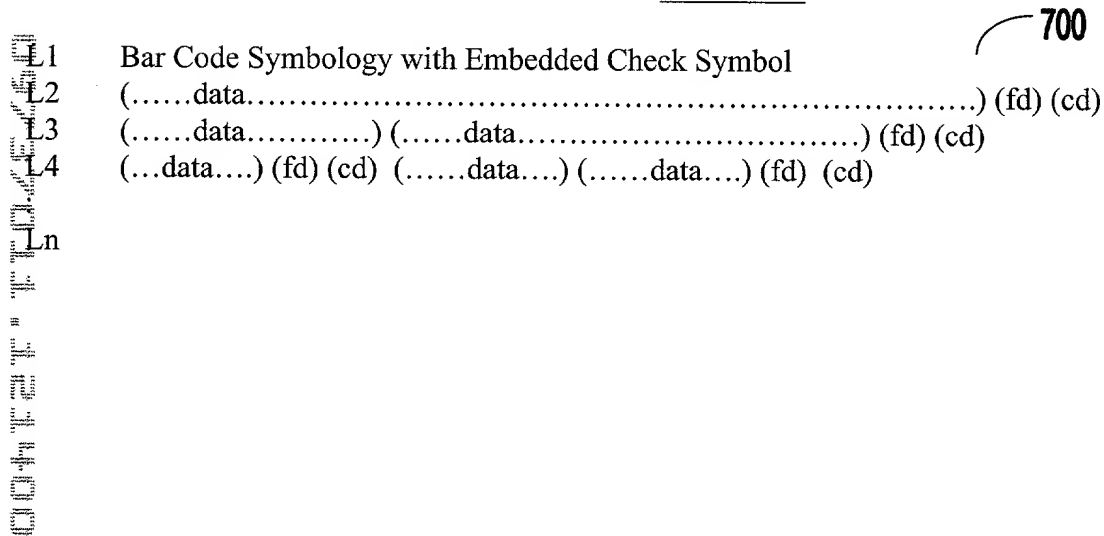
**FIGURE 5**



**FIGURE 6**



**FIGURE 7**



**FIGURE 8**

**LEVEL 1 ENVELOPE** 800



**FIGURE 9**

**LEVEL 2 ENVELOPE**

**130001735076405841036 3**

**900**

<b>Digit</b>	<b>Weight</b>	<b>Digit*Weight</b>	<b>Sum of Digits</b>	<b>Running Sum</b>
1	1	1	1	1
3	3	9	9	10
0	1	0	0	10
0	3	0	0	10
0	1	0	0	10
1	3	3	3	13
7	1	7	7	20
3	3	9	9	29
5	1	5	5	34
0	3	0	0	34
7	1	7	7	41
6	3	18	9	50
4	1	4	4	54
0	3	0	0	54
5	1	5	5	59
8	3	24	6	65
4	1	4	4	69
1	3	3	3	72
0	1	0	0	72
3	3	9	9	81
6	1	6	6	<b>87</b>
<b>3</b>				

034422 "T" 0460

**FIGURE 10**

**LEVEL 3 ENVELOPE**

**Format Designator Value – 3**

**Example – 3 000173 5 0764058410 3 6**

1000

1 Digit Format Designator Value = 3

1001

6 Digit Biller Identification Number

1002

1 Check Digit of preceding 6 digits using 371371 weights, MOD10 algorithm

1003

Number of Components (1 Fixed Length (7), 1 Variable Length) (By Definition)

1004

Customer Account Number with embedded (and known algorithm) check digit (3)

1005

Calculated check digit of Level 3 data using 2121... weights, Split MOD10 algorithm (6)

1006

**FIGURE 11**

**LEVEL 3 ENVELOPE**

1100

**Format Designator Value – 4**

**Example – 3 000173 5 0764058410 3 4**

1 Digit Format Designator Value = 4

1101

6 Digit Biller Identification Number

1102

1 Check Digit of preceding 6 digits using 371371 weights, MOD10 algorithm

1103

Number of Components (1 Fixed Length (7), 1 Variable Length) (By Definition)

1104

Customer Account Number with added check digit to be discarded before presentment to biller (3)

1105

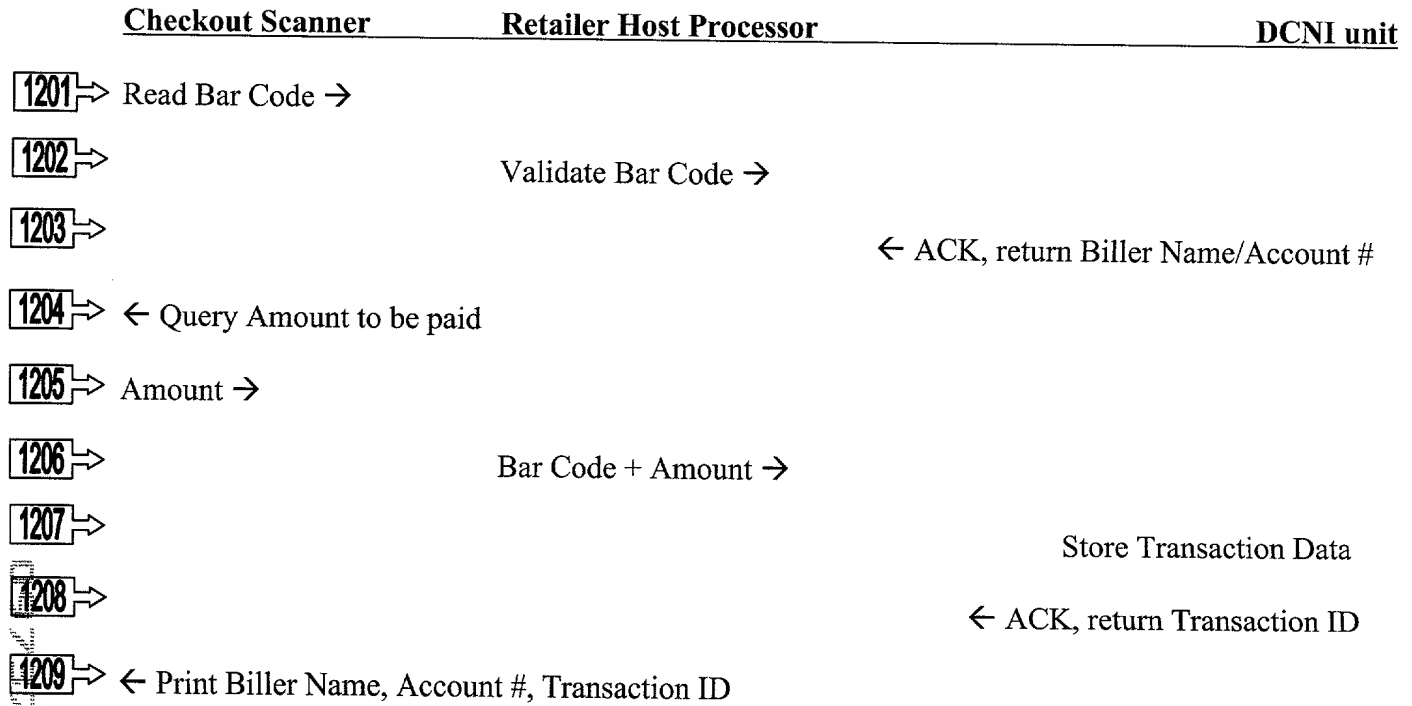
Calculated check digit of Level 3 data using 2121... weights, Split MOD10 algorithm (4)

1106

004426 "F F 04626"

**FIGURE 12**

**VALID ACCOUNT NUMBER**



**FIGURE 13**

**INVALID ACCOUNT NUMBER**

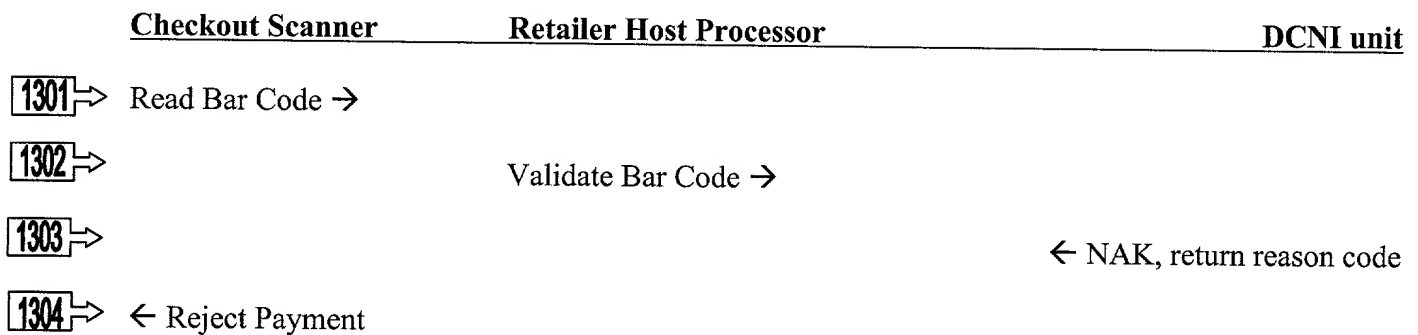


FIGURE 14

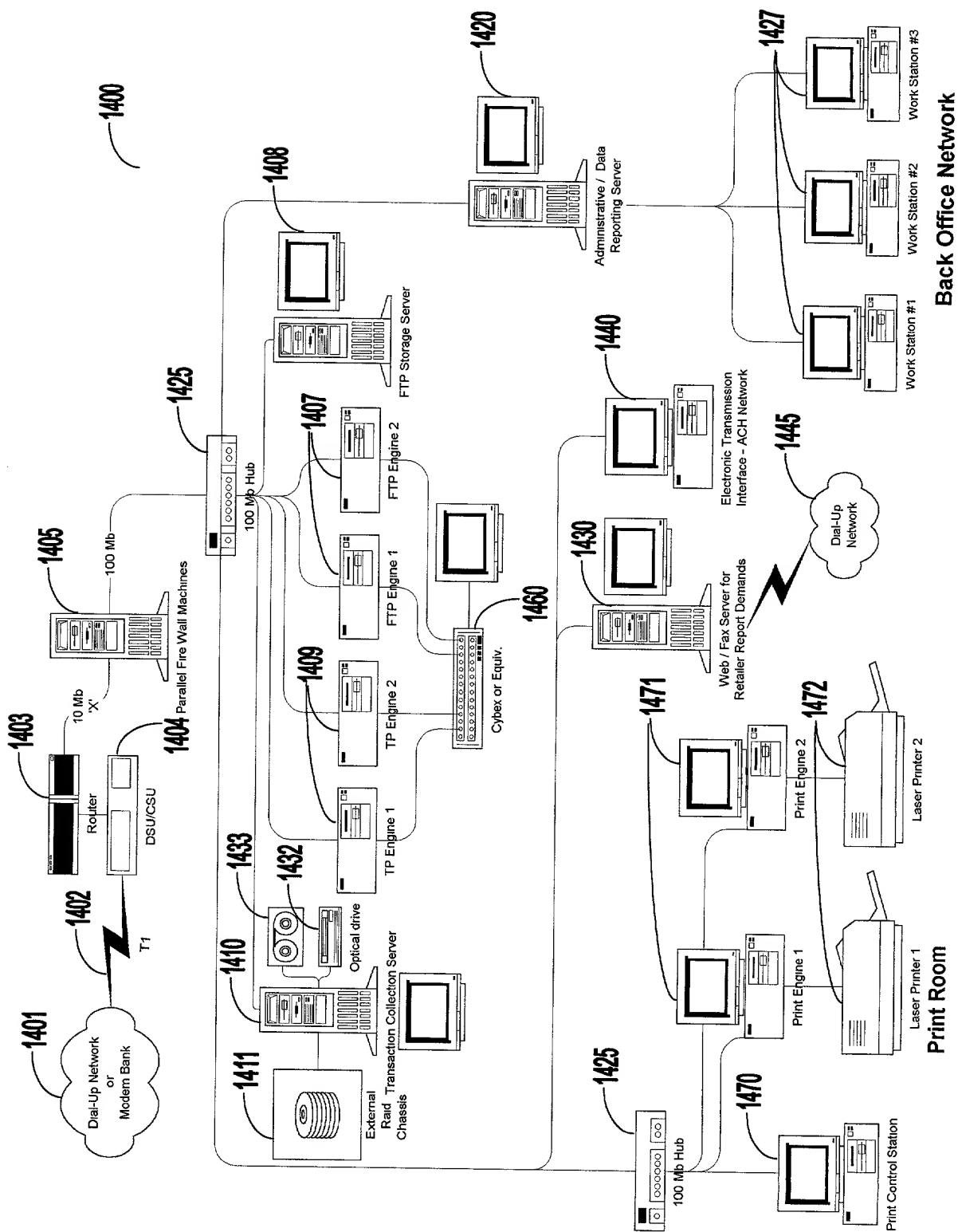
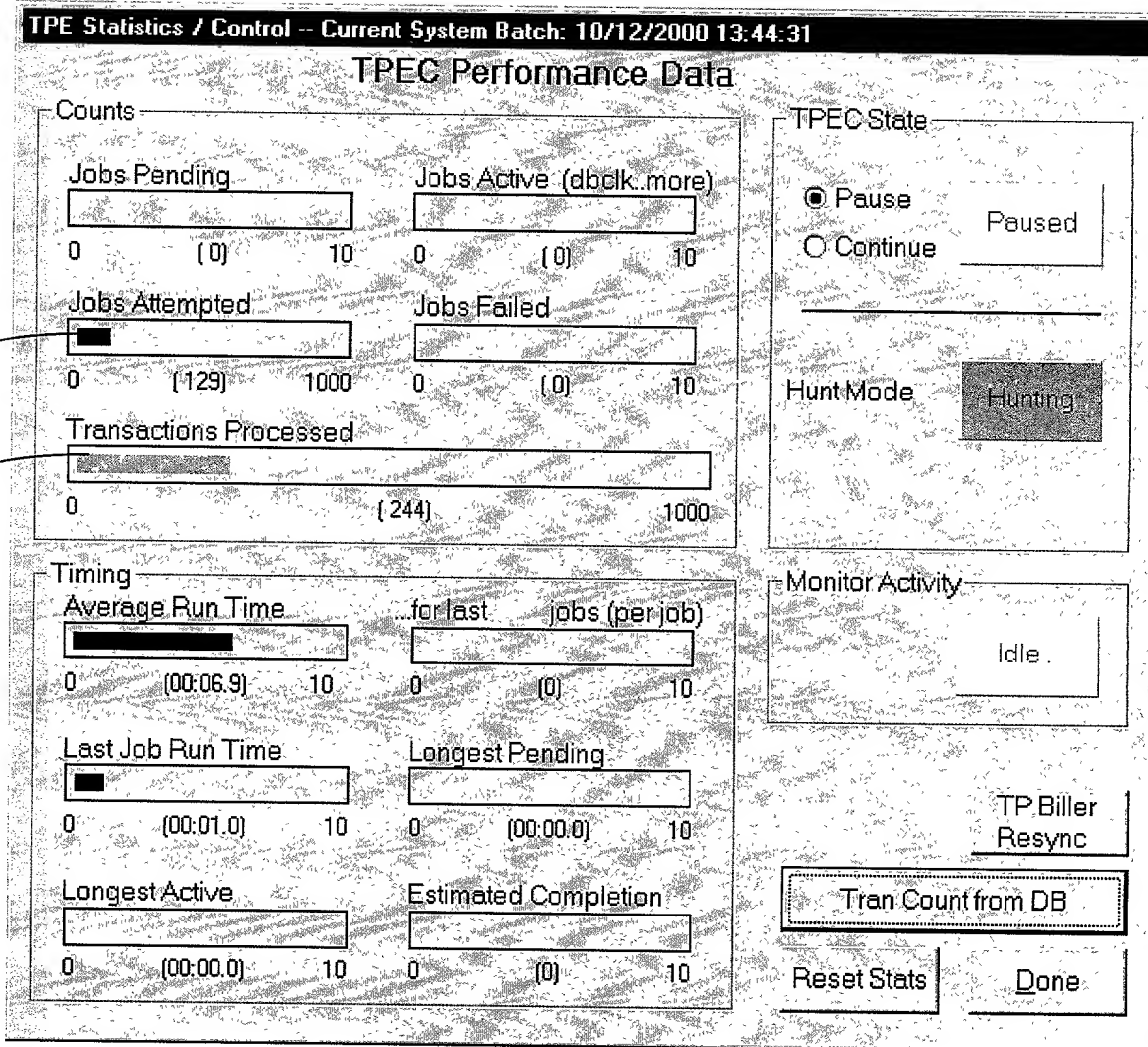


FIGURE 15

1500



004422 TFC60

1501

1502



FIGURE 16

1600

SMS, Version: 1.48 6/22/00

Tools

**Distributors**

ID	Name
5	Maine/NH
6	LA East
7	Las Vegas
8	Tenn/Miss
9	North Central Californ
10	New Mexico
11	LA West
12	NY/NJ

**Directory Structure**

- z:\inetpub\ftproot
  - achdata
  - achreports
  - billspool.dir
  - commlogs
  - csxfer
  - distributor\_1
  - distributor\_10
  - distributor\_11
  - distributor\_12
  - instructions
  - outbound
    - instructions
    - site\_000012
      - instructions
    - site\_000912
      - instructions
    - site\_147224
      - instructions
    - site\_147231
    - site\_147483
    - site\_147497
    - site\_147511
      - instructions
    - site\_147525
    - site\_147595
    - site\_147623

**Sites/Agents**

Site	Agent Name
000012	New York / New Jers
000912	NY/NJ Training Term
147224	McDermott Pharmacy,
147231	C-Town Supermarket
147483	Hospital Pharmacy
147497	Communications of A
147511	CCP Check Cashing
147525	United Check Cashing
147595	United Ck Cashing -
147623	Roman Express Servi
147630	E & A Grocery
147644	United Check Cashing
147700	Amboy Check X Chang
147707	Marin Travel
147714	Express Check Cashi
147721	Express Check Cashi

FIGURE 17

**End of Batch Manager, Version: 1.42d-branch 8/14/00**

System Batch

Current Batch: Oct 17 2000 1:55:31 PM

Next Batch: Oct 18 2000 9:00:00 AM

Time Left: 02:44:52

☐ Hold
 ☐ Rollover Now

Manual Edit Counts

Closed Batch: 0
 ☐ Open Batch: 0
 ☐ Move pending manual edits to the next Batch

Consolidation

Phase:
 
 Table:

Reporting

Report:
 ☐ Skip

Trimming

Phase:
 
 Table:

Archiving

Check Printing

Checks left to print: 0

1701

The CS is collecting jobs, waiting for the next rollover to occur.

Reports

Override

Exit

FIGURE 18

ETI, Version: 2.30-dev 8/15/00

Input Data

System Batch Number

2000/09/27 13:04:00

2000/09/28 13:09:17

2000/09/29 13:17:45

2000/10/02 11:46:12

2000/10/03 13:02:50

2000/10/04 13:33:57

2000/10/05 13:38:12

2000/10/06 13:39:37

2000/10/09 13:07:15

2000/10/10 12:45:51

2000/10/11 13:35:09

2000/10/12 13:44:31

Refresh

☒ Show Currently Disabled Partners As Well

Partners in selected system batch

Bell Atlantic, NJ

CitiBank

CNP (Central Maine Power)

MCRPS

PNM

USWest

Transaction Count

8

26

0

416

44

41

Total Amount

1,226.58

3,865.72

0.00

17,967.98

2,084.31

2,558.86

Holiday Skip

Create New Electronic Batch

1801

Edit Configuration

Edit Electronic Trading Partner Details

UnGrey Create

Map Biller to Electronic Trading / Memo Posting Partner

Current Electronic Batches

☐ Hide Deleted Batches

☐ Hide Completed Batches

Search Back Days: 10

Ending SBN	Starting SBN	BatchID	Status	Partner Name	Amount	ACHInfo	Time Added	Time Queued
2000/10/11 13:35:09	2000/10/11 13:35:09	002210	Complete	USWest Memo ...	1,673.23	Memo Pos...	2000/10/11 14:47:03	2000/10/11 14:47:03
2000/10/11 13:35:09	2000/10/11 13:35:09	002211	Complete	USWest Memo ...	554.49	Memo Pos...	2000/10/11 15:16:25	2000/10/11 15:16:25
2000/10/11 13:35:09	2000/10/11 13:35:09	002212	Complete	USWest Memo ...	1,055.45	Memo Pos...	2000/10/12 02:46:26	2000/10/12 02:46:26
2000/10/11 13:35:09	2000/10/11 13:35:09	002213	Complete	USWest	2,558.86	20001012...	2000/10/12 14:19:04	2000/10/12 14:30:00
2000/10/11 13:35:09	2000/10/11 13:35:09	002214	Complete	CitiBank	3,865.72	20001012...	2000/10/12 14:20:22	2000/10/12 14:29:00
2000/10/11 13:35:09	2000/10/11 13:35:09	002215	Complete	PNM	2,084.31	20001012...	2000/10/12 14:20:54	2000/10/12 14:29:00
2000/10/11 13:35:09	2000/10/11 13:35:09	002216	Complete	MCRPS	17,967.98	20001012...	2000/10/12 14:21:34	2000/10/12 14:29:00
2000/10/11 13:35:09	2000/10/11 13:35:09	002217	Complete	Bell Atlantic, NJ	1,226.58	20001012...	2000/10/12 14:28:17	2000/10/12 14:29:00
2000/10/12 13:44:31	2000/10/12 13:44:31	002218	Complete	USWest Memo	1,104.86	Memo Pos	2000/10/12 14:46:25	2000/10/12 14:46:25

Selected: (none)

Delete

Queue

Retry

Report

☒ Gen. Report on Completion

Response File Reports

Idle

NUM

CAPS

INS

10/16/2000

6:35 AM

FIGURE 19

1900

1901

1902

1903

1904

Electronic Transaction Detail -- 10/11/2000 13:35:09 -- MCRPS -- Total: 17,967.98						
BillerName	BatchNumber	CandTBatchID	CandTID	Account Number	Amount	
Pacific Bell***Van Nuys	10/11/2000 14:27:13	14756020001011142713	67	3232355419925	28.92	
Gas Company	10/11/2000 14:28:57	14942920001011140848	38	04142597006	62.74	
Gas Company	10/11/2000 14:30:57	15169020001011143057	30	09212229000	52.57	
Gas Company	10/11/2000 14:30:57	15169020001011143057	31	10472233278	22.09	
Pacific Bell***Van Nuys	10/11/2000 14:32:27	15133320001011141214	37	3232343487096	83.51	
Pacific Bell***Van Nuys	10/11/2000 14:32:27	15133320001011141214	38	3232330153356	16.47	
Pacific Bell***Van Nuys	10/11/2000 14:32:27	15133320001011141214	39	3232345545400	43.11	
Pacific Bell***Van Nuys	10/11/2000 14:37:08	15116520001011143708	23	3237213017757	26.15	
Verizon***PO 30001	10/11/2000 14:37:08	15116520001011143708	24	012863119714133204	16.51	
Gas Company	10/11/2000 14:39:13	14942920001011143913	39	13792569355	19.69	
Gas Company	10/11/2000 14:39:13	14942920001011143913	41	11872356669	14.87	
Gas Company	10/11/2000 14:41:13	15241120001011130043	30	18450075338	25.92	
Pacific Bell***Van Nuys	10/11/2000 14:41:13	15241120001011130043	31	3235664941063	23.30	
Pacific Bell***Van Nuys	10/11/2000 14:41:31	15279620001011144131	26	7149721087141	134.83	
Pacific Bell***Van Nuys	10/11/2000 14:41:31	15279620001011144131	27	7145422082046	78.45	
Pacific Bell***Van Nuys	10/11/2000 14:41:31	15279620001011144131	28	7146670583861	34.92	
Pacific Bell***Van Nuys	10/11/2000 14:42:52	15133320001011141214	40	3232354980440	59.21	
Gas Company	10/11/2000 14:48:05	15206120001011144805	29	04980034310	5.89	
Pacific Bell***Van Nuys	10/11/2000 14:48:05	15206120001011144805	28	3232222330254	27.25	
Pacific Bell***Van Nuys	10/11/2000 14:48:05	15206120001011144805	30	3232346559956	170.62	
Edison Company***Box 600	10/11/2000 14:50:57	15241120001011145057	40	145310983	17.98	
Gas Company	10/11/2000 14:50:57	15241120001011144113	32	15810083004	9.45	
Gas Company	10/11/2000 14:50:57	15241120001011145057	35	16150075766	51.70	
Gas Company	10/11/2000 14:50:57	15241120001011145057	37	11100103701	47.93	
Gas Company	10/11/2000 14:50:57	15241120001011145057	41	02350083008	15.25	
LA Municipal Services***Box 10324	10/11/2000 14:50:57	15241120001011145057	39	1089762100760009002501	137.22	
Pacific Bell***Van Nuys	10/11/2000 14:50:57	15241120001011144113	33	3235835923416	30.67	
Pacific Bell***Van Nuys	10/11/2000 14:50:57	15241120001011145057	36	3237525463426	29.25	

Close

2001

2002

2000

Map Biller to Partner

BillerID	BillerName	Cash Payment Method	Electronic Trading Partner	Memo Posting Partner
00111	Verizon**PO 30001	Electronic	MCRPS	USWest Memo Postings ...
00112	US West Communications**Phoenix	Electronic	USWest	
00130	Salt River Project	Electronic	CitBank (inactive)	
00134	Discover Private Issue**Box 7061	Electronic	CitBank	
00140	Pacific Bell**Van Nuys	Electronic	MCRPS	
00145	APS	Electronic	CitBank (inactive)	
00148	Central Maine Power	Electronic	CMP (Central Maine Pow...	
00160	American Express**Bx 2853, NY NY	Electronic	CitBank (inactive)	
00161	Con Edison**PO 1702	Electronic	CitBank	
00173	Gas Company	Electronic	MCRPS	
00180	Edison Company**Box 600	Electronic	MCRPS	
00187	Northern Utilities, Inc** PO 4320	Electronic	CitBank	
00190	Verizon**PO 4830	Electronic	Bell Atlantic, NJ	
00191	PSE&G**NJ	Electronic	CitBank	
00198	Discover Card**1730 South	Electronic	CitBank	
00201	Texaco**Tampa	Electronic	CitBank	
00209	Cablevision of NYC**Soundview Av	Electronic	CitBank	
00228	AT&T Universal Card Services**Columbus	Electronic	CitBank	
00256	PG&E**Embarcadero Drive	Electronic	CitBank	
00261	Sprint **PO 52243	Electronic	CitBank	
00266	Cablevision of Long Island	Electronic	CitBank	
00268	PNM Electric & Gas Services	Electronic	PNM	
00279	Sprint **PO 650270	Electronic	CitBank	
00285	LA Municipal Services**Box 10324	Electronic	CitBank	
00290	Bell Atlantic**28007	Electronic	MCRPS	
00304	Sprint **PO 52243	Electronic	CitBank	
00316	Pacific Bell **Sacramento	Electronic	CitBank	
00348	Discover Card** Box 105430	Electronic	MCRPS	
00362	American Express**Los Angeles	Electronic	CitBank (inactive)	

Activate

Deactivate

Edit Map

Change

Electronic

Manual

Memo Posting Partner

Change

Clear

Edit Biller ACH Details

Close

Selected: 00100 - NorthEast Power and Light

FIGURE 20

